

200400088

THE UNIVERD SHAVES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME;

Pioneer Hi-Bred International, Inc.

MINCONS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FIES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR SINT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84

SOYBEAN

'90M20'

In Justinana Thereof, I have hereunto set my hand and caused the seal of the Flant Barieta Frotection Office to be affixed at the City of Washington, D.C. this twenty-fifth day of August, in the year two thousand and four.

Mark Lerneling
Acting Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

enema L'Agriculture U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

(Instructions and Information collect	uon burden stateme. ———	nt on reverse)						
NAME OF OWNER Pioneer Hi-Bred International, Inc					2. TEMPORARY DESIGNAT EXPERIMENTAL NAME	ION OR	3. VARIETY NAME 90M20	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 7300 N. W. 62 rd Avenue P.O. Box 1004 Johnston, IA 50131				5. TELEPHONE (include area co 515-254-2638 6. FAX (include area code) 515-253-2478		200	FILING DATE	
7. IF THE OWNER NAMED IS NOT A "PERS ORGANIZATION (corporation, partnership, Corporate	iON", GIVE FORM OF association, etc.)	8. IF IN STAT	CORPORATE OF INCO	TED, GIVE RPORATION	9. DATE OF INCORPORATION May 6, 1926	ON	1/27/04	
10. NAME AND ADDRESS OF OWNER RI Daria Schmidt, Ph. D. 7300 N.W. 62 ^M Avenue P.O. Box 1004 Johnston ,IA 50131-1004	EPRESENTATIVE(S) TO SI Steve Callistein, Esq 7100 N.W 62 rd Avenue P.O Box 1000 Johnston, IA 50131-1000	ERVE IN THIS APPLI	CATION. (F	irst person listed will	receive all papers)		FILING AND EXAMINATION FEES: \$ 3652 DATE 1/27 (04) CERTIFICATION FEE: \$ 432.00 DATE 7/7/04	
11. TELEPHONE (Include area code) 515-254-2638	12. FAX (Include area 515-253-2478	a code)		MAIL midt@pioneer.com		14. CRO Soybean	P KIND (Common Name)	
18. CHECK APPROPRIATE BOX FOR EACH reverse) a.	ng History of the Variety notness ion of Variety	·	s on	CERTIFIED S YES 20. DOES THE O'VARIETY BE		OF THIS CLASSES?	IETY BE SOLD AS A CLASS OF lety Protection Act) (NO (if "no," go to item 22) YES NO REGISTERED CERTIFIED	
e. X Exhibit E. Statement of the B f. X Voucher Sample (2,500 viable verification that tissue culture we repository) g. X Filing and Examination Fee (States" (Mail to the Plant Variety)	e untreated seeds or, for tu ill be depositied and mainta \$2,705), made payable to "	ber propagated variet ined in an approved p	ublic	IF YES, SPEC NUMBER 1, 2		is?	YES NO REGISTERED CERTIFIED a indicated on the reverse.)	
22. HAS THE VARIETY (INCLUDING ANY HAFROM THIS VARIETY BEEN SOLD, DISPOTHER COUNTRIES? YES IF YES, YOU MUST PROVIDE THE DATE FOR EACH COUNTRY AND THE CIRCU	OSED OF, TRANSFERREI X NO E OF FIRST SALE, DISPOS	D, OR USED IN THE	U.S.OR	23. IS THE VARIE PROPERTY R	TY OR ANY COMPONENT OF	THE VARIET GHT OR PATE	Y PROTECTED BY INTELLECTUAL ENT)? NO E AND ASSIGNED	
24. The owners declare that a viable sample of for a tuber propagated variety a tissue cult. The undersigned owner(s) is(are) the owner and is entitled to protection under the prov. Owner(s) is(are) informed that false repres.	er of this sexually reproductions of Section 42 of the I	ed or tuber propagate Plant Variety Protectio	d plant varie on Act.	ety, and believe(s) th				
SIGNATURE OF OWNER SIGNATURE OF OWNER SIGNATURE OF OWNER								
NAME (Please print or type) Daria H. Schmidt			,	NAME (Please prin	nt or type)			
CAPACITY OR TITLE Director, Technology Integration and Association		DATE 1-26-0	CAPACITY OR TITLE Director, Technology Integration and Associative Genetics DATE CAPACITY OR TITLE DATE					

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$2,705 (\$320 filing fee and \$2,385 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfiled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 500, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$320 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX: (301) 504-5291 2004 00 088

ITEM

18a. Give:

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method;
- (2) the details of subsequent stages of selection and multiplication;
- (3) evidence of uniformity and stability; and
- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 21. See Section 83 of the Act for the Contents and Term of Plant Variety Protection.
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 5.5 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)
- 23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)
- U.S. Patent 4,940,835 issued to Shah et al. as per the Roundup Ready Gene in this variety

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the variety names proposed by contacting: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center-East, Beltsville, MD 20705. Telephone: (301) 504-8089.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD): USDA's ran equal opportunity provider and employer.

ST-470 (04-01) designed by the Plant Variety Protection Office with WordPerfect 6.0a. Replaces ST-470 (02-99) which is obsolete.

Exhibit A. Origin and Breeding History of the Variety

Soybean Variety 90M20

Variety 90M20 evolved from a cross made in the summer 1996 in Minnesota with the following parentage:

Parentage: 90B43/90733R005

90733R005 = 9172/90676

90676 = ST2250/G40-3P9392*

*G40-3P9392 is an experimental line with the Roundup Ready (40-3-2) gene

Variety 90M20 is an F4-derived line which was advanced to the F4 generation by modified single-seed descent. The F5 progeny row of 90M20 was grown in a plant row yield trial in the summer of 1998. Subsequently, 90M20 has undergone five years of extensive testing and purification and has been observed by the breeder to be uniform and stable for all plant traits from generation to generation, with no evidence of variants. On the basis of yield, Phytophthora root rot resistance, and resistance to Roundup labeled herbicides, variety 90M20 was assigned a commercial number.

The purification block was grown during summer 2001 in Minnesota and 64 sublines were harvested. An approximately 0.25 acre increase was grown in Chile in the winter of 2001/2002. Eight (8) acres of parent seedstock (foundation seed equivalent) were grown in 2002 and 210 acres of seedstock and production seed were grown in the summer of 2003.

Exhibit B. Statement of Distinctness

Soybean Variety 90M20

Variety 90M20 is most similar to variety 90B11. Both varieties have purple flowers, tawny pubescence, and resistance to Roundup branded herbicides. However, 90M20 has tan hila and resistance to *Phytophthora megasperma* as governed by the Rps1k gene, whereas 90B11 has brown hila and does not does not carry the Rps1k resistance gene.

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Form Approved - OMB No. 0581-0055

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data ources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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> U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE BELTSVILLE, MD 20705

EXHIBIT C (Soybean)

OBJECTIVE DESCRIPTION OF VARIETY SOYBEAN (Glycine max (L.) Merr.)

NAME OF APPLICANT(S) Pioneer Hi-Bred, International

ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Cod

7200 62nd Avenue P.O Box 1004 Johnston, IA 50131-1004

FOR OFF	ICIAL USE	CIAL USE ONLY WHER		
PYPO NU	MBER AA	n		Â

VARIETY NAME

90M20

TEMPORARY OR EXPERIMENTAL

PLEASE READ ALL INSTRUCTIONS CAREFULLY: Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in the first box (e.g.

quantitative

9

when number is either 99 or less or 9 or less respectively. Data for

plant characters chould be based on a minimum of 100 plants. Comparative data should be determined from varieties entered in the same trial. Royal

Horticulutral Society or any recognized color standard may be used to determine plant colors; designate system used:

Please answer all questions for your variety; lack of response may delay progress of your application.

A. MORPHOLOGY

Seed Shape

1 = Spherical(L/W, L/T, and T/W ratios < 1.2)

2 = Spherical - Flattened (L/W ratio > 1.2; L/T ratio < 1.2)

3 = Elongated

(L/T ratio . 1.2; T/W ratio < 1.2)

4 = Elongate - Flattened (L/T ratio > 1.2; T/W ratio > 1.2)

Seed Coat Color:

1 = Yellow

2 = Green

3 = Brown

4 = Black

5 = Other

(Please Specify

Seed Coat Luster:

1 = Dull

2 = Shiny

Seed Size:

grams/100 seeds

Hilum Color:

1 = Buff

2 = Yellow

3 = Brown

4 = Grav

5 = Imperfect Black

6 = Black

7 = Other (Please Specify) $|T_{an}|$

A. MORPHOLOGY (Continued)

Cotyledon Color:

1 = Yellow

2 = Green

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Seed Protein Peroxidase Activity:

$$1 = Low$$

$$2 = High$$

Hypocotyl Color:

1 = Green ('Evans' or 'Davis') 2 = Green with Bronze **Bands below Cotyledons**

('Woodworth' or 'Tracy')

3 = Light Purple below Cotyledons

('Beeson' or 'Pickett 71')

4 = Dark Purple extending to unifoliolate leaves

('Hodgson', 'Coker', or

Leaflet Shape:

$$2 = Oval$$

$$3 = Ovate$$

Flower Color:

$$1 = White$$

Pod Color:

Pubescence Color:

Plant Habit:

Maturity Group:

$$1 = 000$$

$$2 = 00$$

$$3 = 0$$

$$4 = I$$

$$5 = \Pi$$

$$6 = III$$

$$7 = IV$$

$$8 = V$$

$$9 = VI$$

$$10 = VII$$

$$11 = VIII$$

$$12 = IX$$

$$14 = XI$$

$$15 = XII$$

Maturity Subgroup:



Please enter a value from 0 - 9

B. DISEASE REACTION

Bacterial



Bacterial Pustule (Xanthomonas campestri pv. glycines (Nakano) Dye)

Bacterial Blight Pseudomonas syringa pv. glycinea (Coerper) Young, Dye, and Wilkie)

0

Wildfire Blight Pseudomonas syringa pv. tabaci (Wolf Foster) Young, Dye, Wilkie)

	LASE REACTION	(Conti	nueu) ^{v – w}	ot Tested	1 Busc	2 Resistant	3 1	
Funga 1	Brown Spot <i>(Sept</i>	oria glycin	<i>tes</i> Hemmi)					
	Frogeye Leaf Spot	(Cercosp	<i>ora sojina</i> Hara))				
0	race 1	0	race 2	· .	0	race 3	0	race 4
0	race 5	0	race 6		0	Othe (Please Specify)		
0	Target Spot (Cory)	nespora ca	ssiicola (Berk0	Curt.) Wei)				
0	Downey Mildew (P	eronospor	a trifoliorum var	. manchuric	(Naum.)) Syd. ex Gäum)		-
0	Powdery Mildew (A	Microsph a e	era diffusa Cke.	and Pk.)				
2	Brown Stem Rot (A	Phialopho	ra gregata (Allir	ngton _Chaml	berlain)	W. Gams.)		
0	Stem Canker (Diap	porthe pha	seolorum (Cke.	and Ell.) Sac	c. var <i>ci</i>	aulivora Athow and Cald	well	
1	Pod and Stem Bligh	nt (Diapo	rthe phaseolorun	n (Cke. and I	EII.) Saco	c. var <i>sojae</i> (Lehman) W	ehm	
0	Purple Seed Stain	(Cercosp	ora kikuchii (T	. Matsu. and	Tomoya	su) Gardener)		
1	Rhizoctonia Root R	ot <i>(Rhiz</i> e	octonia solani K	ühn)	·			
Phytop	hthora Root Rot (Phy	xtophthora	megasperma I	Prechs. f. sp	glycinea	(Kuan Erwin))		
0	race 1) race	8 0	race 15	Γ	0 race 22		
0	race 2) race	9 0	race 16		0 race 23		
2	race 3) race	10 0	race 17		0 race 24		
2	race 4) race	11 0	race 18		1 race 25		
0	race 5	race	12 0	race 19		0 race 26		
0	race 6) race	13 0	race20	·	Other (Please Sp	ecify)	
2	race 7	race	14 0	race 21	. L			
1	Bud Blight (Tobacco	o Ringspo	t Virus)					
1	Yellow Mosaic (bear	n Yellow I	Mosaic Virus)					

B. DIS	SEASE REACTIONS (Continued) 0 = Not Tested 1 = Susceptible 2 = Resistant	3 = Tolerant
Fung	al	
1	Cowpea Mosaic (Cowpea Chlorotic Virus)	
1	Pod Mottle (Bean Pod Mottle Virus)	
1	Seed Mottle (Soybean Mosaic Virus)	
Nema		
_	ean Cyst Nematode (Heterodera glycines Ichinohe)	
0	race 1 0 race 4 0 race 9	
0	race 2 0 race 5 0 race 14	
0	race 3 Other (Please Specify)	
0	Lance Nematode (Hoploaimus columbus Sher)	
0	Southern Root Knot Nematod (Meloidogyne incognita (Kofoid and White) Chitwo	
0	Northern Root Knot Nematod (Meloidogyne hapla Chitwood)	
0	Peanut Root Knot Nematode (Meloidogyne arenaria (Neal) Chitwood)	
0	Reniform Nematode (Rotylenchus reniformu Linwood and Olivera)	
0	Javanese Nematode (Meloidogyne javanica (Treub) Chitwood)	
	Other Nematode (Please Specify)	
C. PHY	YSIOLOGICAL RESPONSES 0 = Not Tested 1 = Susceptible 2 = Resistant	3 = Tolerant
0	Iron Chlorosis on Calcareous Soil	
0	Phosphorus Other (Please Specify)	
0	Boron	
. 0	Aluminu	
0	Salt	
0	Drought	

D. INSECT REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	3 = Tolerant
Fungal				
Mexican Bean Beetle (Epilachna vari	vestis Mulsant)			
O Potato Leaf Hopper (Empoasca fabae	(Harris))			
Other (Please Specify)				
E. HERBICIDE REACTIONS	0 = Not Tested	1 = Susceptible	2 = Resistant	
0 Metribuzin				
0 Bentazone		,		
1 Sulfonylurea				
2 Glyphosate				
0 Glufosinate				
0 Pendimethalin				
Other (Please Specify)				
F. TRANSGENIC COMPOSITION			·	
Has the development of the subject variety include	d the insertion of	genetic material fr	om an organism ot	her than a soybean,
or, the removal of genetic material from the applic	ation variety?	✓ Yes	□ No	
If yes, please complete the following infomation red	quests*. Use addit	ional pages if nece	ssary.	
1. Please state the vector's name:				
2. Please state the vector components:				
3. Please describe the genetic material successfully	transferred into t	he subject variety	:	
4. Please describe the insertion protocol:				
* A literature citation(s) explaining the four inf the "Transgenic Composition" portion of this form details of the vector components and insert elemen al. Development, Identification, and Characterizat	 This section is f ts are summarized 	fully addressed in a in Figure 1 and T	the following publi able 1 on page 145	cation. Specific 3. Padgette, S.R. et
G. BIOCHEMICAL MARKERS				
Please describe any biochemical information here, (e.g. Simple Sequences Repeats, Restriction Fragmages if necessary.	which you believe ent Length Polym	will be helpful in f orphisms, Isozymi	Turther describing Characterization	the subject variety). Use additional

H. COMMENTS

Exhibit D. Additional Description of the Variety

Soybean Variety 90M20

In Exhibit C we have identified variety 90M20 as susceptible to bacterial blight, brown spot, pod and stem blight, rhizoctonia root rot, bud blight, yellow mosaic, cowpea mosaic, pod mottle and seed mottle.

This does not mean that variety 90M20 is any worse for these problems than other varieties of similar maturity. Rather, we do not consider 90M20 to be immune to these problems. Therefore, we have chosen to be conservative and have identified the line as "susceptible".

Variety 90M20 is a mid Group 0 variety. If Group 0 varieties are divided into tenths, the relative maturity of 90M20 is 0.2.

REPRODUCE LOCALLY. Include form number and edition date on a		FORM APPROVED - OMB No. 0581-005
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE	The following statements are made in 1974 (5 U.S.C. 552a) and the Paper	n accordance with the Privacy Act of Reduction Act (PRA) of 1995.
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued to the certificate is increased to the certificate is certificate in the certificate is increased to the certificate is increased to the certificate is certificate in the certificate in the certificate is certificate in the certificate in the certificate is certificate in the certificate in the certificate in the certificate is certificate in the cer	2421). The information is held
1. NAME OF APPLICANT(S)	2. TEMPORARY DESIGNATION	2. VARIETY NAME
Pioneer Hi-Bred International, Inc	OR EXPERIMENTAL NUMBER	90M20
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)	5. TELEPHONE (Include area code)	6. FAX (Include area code)
7300 N.W. 62 nd Avenue	515-254-2638	515-253-2478
P.O. Box 1004 Johnston, IA 50131-1004	7. PVPO NUMBER 200	400088
Does the applicant own all rights to the variety? Mark an "X" in th If no, please explain.	e appropriate błock.	X YES NO
9. Is the applicant (individual or company) a U.S. National or a U.S. If no, give name of country	based company?	XYES NO
10. Is the applicant the original owner?	If no, please answer one of the fo	llowing:
X YES N		·
a. If the original rights to variety were owned by individual(s), is	(are) the original owner(s) a U.S. Nation	al(s)?
YES NO If no, give name of country	у	
b. If the original rights to variety were owned by a company(ies)	, is (are) the original owner(s) a U.S. ba	sed company?
YES NO If no, give name of countr	у	
11. Additional explanation on ownership (If needed, use the reverse	for extra space):	
Please Note:	#AAA	
Plant variety protection can only be afforded to the owners (not licens	sees) who meet the following criteria:	
 If the rights to the variety are owned by the original breeder, that per national of a country which affords similar protection to nationals of 	erson must be a U.S. national, national f the U.S. for the same genus and spec	of a UPOV member country, or less.
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.	ved the original breeder(s), the company country which affords similar protection	y must be U.S. based, owned by to nationals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the	original owner and the applicant must n	neet one of the above criteria.
The original breeder/owner may be the individual or company who dir Act for definitions.	rected the final breeding. See Section 4	41(a)(2) ot the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, no persons are required to respond to a or this information collection is 0581-0055. The time required to complete this information constructions, searching existing data sources, gathering and maintaining the data needed, an	offection is estimated to average 6 minutes per respo	nose including the time for reviewing the
The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the bitatus. (Not all prohibited bases apply to all programs). Persons with disabilities who require ontact the USDA's TARGET Center at 202-720-2600 (voice and TDD).	asis of race, color, national origin, sex, religion, age, alternative means for communication of program inl	disability, political beliefs, and marital or familial formation (braille, large print, audiotape, etc.) should
o file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washin pportunity employer. -470-E (04-99) (Destroy previous editions).	ngton, D.C. 20250, or call 1-800-245-6340 (voice) or	(202) 720-1127 (TDD). USDA is an equal